

The Abstract has been amended as follows:

A tapered section and a flange section which constitute reinforcements are provided on mounting members to which a blower (fan shroud) is to be attached. The reinforcements are provided on the sides of the reinforcements which are in contact with a longer side wall surface of a rectangular tank. According to this structure, it is possible to prevent the longer side wall surface from deforming, while mitigating the concentration of stress to the joint portions between the mounting members and the longer side wall surface. Therefore, the mechanical strength, reliability and durability of the header tank can be improved without increasing the mass (weight) and production cost of the radiator.

IN THE CLAIMS

Please amend the Claims 1-11 and add new Claims 12 as follows:

1. (Amended) A heat exchanger having mounting members to which a blower is to be attached, comprising
a plurality of metallic tubes through which fluid flows;
a pair of metallic header tanks communicating with the plurality of tubes; each of the pair of header tanks being arranged at lengthwise opposite ends of the tubes and extending perpendicular to the lengthwise direction of the tubes direction of the tubes, each of the pair of header tanks having a rectangular cross section in a direction parallel to the lengthwise direction of the tubes;
a mounting member secured to a longer side wall surface of the rectangular cross section of each of the header tanks; and



a reinforcement attached to each of the mounting members on the side of the mounting member in contact with the longer side wall surface, for strengthening the longer side wall surface.

2. (Amended) A heat exchanger as defined in Claim 1, further comprising concave and convex portions formed in a portion of the longer side wall surface of the rectangular cross section of the header tank by the plastic deformation.

3. (Amended) A heat exchanger as defined by claim 1, wherein each of the reinforcements extends from a middle point of the longer side wall surface toward opposite sides of the longer side wall surface.

4. (Amended) A heat exchanger as defined by claim 2, wherein each of the reinforcements extends from a middle point of the longer side wall surface toward opposite sides of the longer side wall surface.

5. (Amended) A heat exchanger as defined by claim 1, wherein each of the reinforcements has a tapered section so that a cross-sectional area of the reinforcement increases as approaching the wall surface of the header tanks.

6. (Amended) A heat exchanger as defined by claim 2, wherein each of the reinforcements has a tapered section so that a cross-sectional area of the reinforcement increases as approaching longer side the wall surface of the header tank.

7. (Amended) A heat exchanger as defined in claim 1, wherein each of the reinforcements and a respective mounting member are integrally formed.

8. (Amended) A heat exchanger as defined by claim 2, wherein the reinforcements and a respective mounting member are integrally formed.

9. (Amended) A heat exchanger as defined by claim 1, wherein the reinforcements and a respective mounting member are formed separately from each other.

10. (Amended) A heat exchanger as defined by claim 2, wherein each of the reinforcement and a respective mounting member are formed separately from each other.

Please add the following new claims.

B3 12. (New) A heat exchanger as defined in Claim 2, wherein the tubes are connected to each of the header tanks on a shorter side wall thereof.

ATTACHMENT FOR CLAIM AMENDMENTS

The following is a marked up version of each amended claim in which underlines indicates insertions and brackets indicate deletions.

1. (Amended) A heat exchanger having mounting members to which a blower is to be attached, comprising

a plurality of metallic tubes through which fluid flows[, and];

a pair of metallic header tanks [of a rectangular cross section] communicating with the plurality of tubes; each of the pair of header tanks being arranged at lengthwise opposite ends of the tubes ad extending perpendicular to the lengthwise direction of the tubes direction of the tubes, each of the pair of header tanks having a rectangular cross section in a direction parallel to the lengthwise direction of the tubes;

a [wherein the] mounting member [are] secured to a longer side wall surface of the rectangular cross section of each of the header tanks[, and]; and

a reinforcement[s are provided in] attached to each of the mounting members on the side[s to be] of the mounting member in contact with the loner side wall surface, for strengthening the longer side wall surface.

2. (Amended) A heat exchanger as defined in Claim 1, further [having mounting members to which a blower is to be attached,] comprising

[a plurality of metallic tubes through which fluid flows, and]

a pair of metallic header tanks of a rectangular cross section

communicating with the plurality of tubes; the header tanks being arranged at lengthwise opposite ends of the tubes and extending perpendicular to the lengthwise direction of the tubes,

wherein] concave and convex portions [are] formed in a portion of [a] the longer side wall surface of the rectangular cross section of the header tank by the plastic deformation [thereof,

mounting members are secured to other portions of the longer side wall surface having no concave and convex portions, and

reinforcements are provided in the mounting members on the sides to be in contact with the longer side wall surface, for strengthening the longer side wall surface].

3. (Amended) A heat exchanger as defined by claim 1, wherein [the reinforcements are provided in the manner that] each of the reinforcements extends from a middle point of the longer side wall surface [in the longer side direction] toward [the] opposite sides [along] of the longer side wall surface [direction].

4. (Amended) A heat exchanger as defined by claim 2, wherein [the reinforcements are provide in the manner that] each of the reinforcements extends from a middle point of the longer side wall surface [in the longer side direction] toward [the] opposite sides [along] of the longer side wall surface [direction].

5. (Amended) A heat exchanger as defined by claim 1, wherein

each of the reinforcements has a tapered section so that a cross-sectional area of the reinforcement increases as approaching the wall surface of the header tanks.

6. (Amended) A heat exchanger as defined by claim 2, wherein each of the reinforcements has a tapered section so that a cross-sectional area of the reinforcement increases as approaching longer side the wall surface of the header tank.

7. (Amended) A heat exchanger as defined in claim 1, wherein each of the reinforcements and [the] a respective mounting member are integrally formed.

8. (Amended) A heat exchanger as defined by claim 2, wherein the reinforcements and [the] a respective mounting member are integrally formed.

9. (Amended) A heat exchanger as defined by claim 1, wherein the reinforcements and [the] a respective mounting member are formed separately from each other [and then brazed for incorporating with each other].

10. (Amended) A heat exchanger as defined by claim 2, each of wherein the reinforcement and [the] mounting member are formed separately from each other [and then brazed for incorporating with each other].